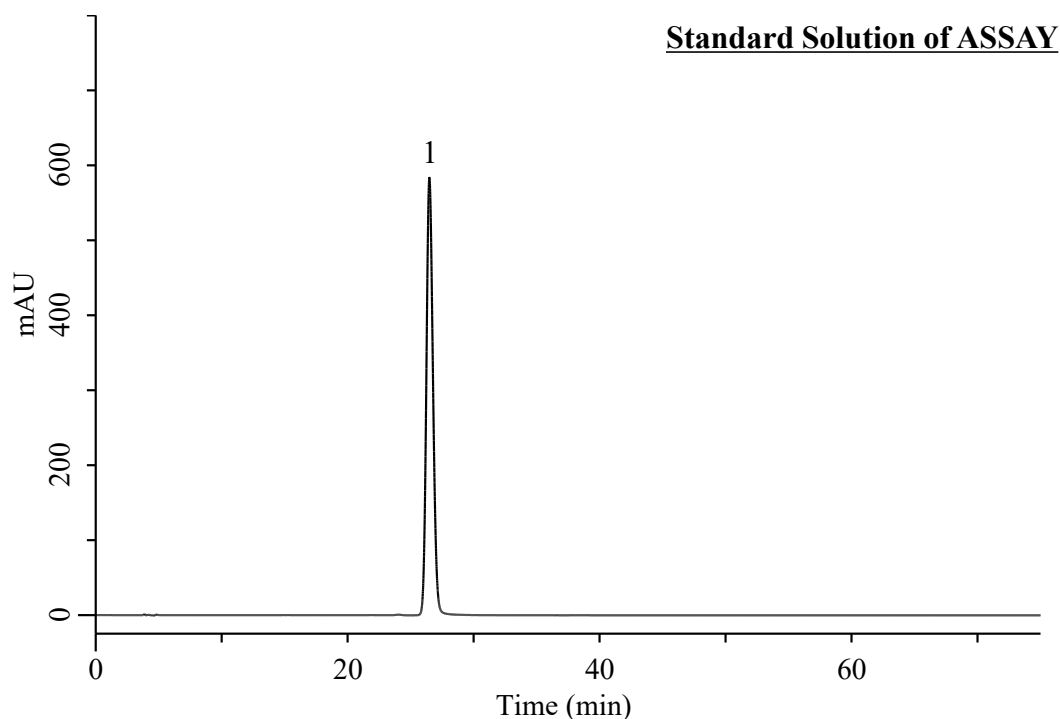


## Analysis of Ofloxacin

(Under the Condition of the USP-NF 2024 Issue 3, Ofloxacin)



### Conditions

<b>System</b>	: Chromaster PLUS HPLC system (HITACHI)	<b>Analyte:</b>	
<b>Column</b>	: Inertsil WP300 C18 (GL Sciences Inc.) (5 $\mu$ m, 150 x 4.6 mm I.D.)	1. Ofloxacin	200 $\mu$ g/mL
<b>Column Cat. No.</b>	: 5020-05845		
<b>Eluent</b>	: CH <sub>3</sub> CN/phosphate buffer solution* = 570/4430, v/v		
<b>Flow Rate</b>	: 0.5 mL/min	RSD of the peak area (%) (n=6)	: 0.59 ( $\leq$ 0.73)
<b>Col. Temp.</b>	: 45 °C		
<b>Detection</b>	: UV 294 nm	Tailing factor	: 1.14 ( $\leq$ 2.0)
<b>Injection Vol.</b>	: 10 $\mu$ L		
<b>Sample</b>	: Standard		

\*3.1g/L of ammonium acetate and 5.4g/L of sodium perchlorate in water. Adjust with phosphoric acid to a pH of 2.2.